



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

3

### Complete if Known

Application Number	10/517,769
Filing Date	December 27, 2004
First Named Inventor	Douglas John Thomson
Art Unit	2856
Examiner Name	N/A
Attorney Docket Number	9157-58

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
OD		US- 3,909,713	09-30-1975	Billeter	
OD		US- 4,851,571	03-24-1987	McGlade	
OD		US- 4,843,346	08-27-1989	Heymann et al.	
OD		US- 5,181,423	01-26-1993	Philipp et al.	
OD		US- 5,227,798	07-13-1993	Hildebrand	
OD		US- 5,433,115	07-18-1995	Spillman, Jr. et al.	
OD		US- 5,703,576	12-30-1997	Spillman, Jr. et al.	
OD		US- 5,764,161	08-09-1998	Schier	
OD		US- 5,821,425	10-13-1998	Mariani et al.	
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
OD		GB2212273	07-29-1989	Mr. Farley		
OD		FR2700846	07-29-1994	Mr Brigidou		
OD		JP60203828	10-15-1985	Toshiba		
OD		JP05264474	10-12-1993	Daipolis		
OD		DE2007447	09-17-1970	Decca		

Examiner  
Signature

*Octavia Davis*

Date  
Considered

5/4/06

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Substitute for form 1449B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/517,769
(Use as many sheets as necessary)				Filing Date	December 27, 2004
				First Named Inventor	Douglas John Thomson
				Art Unit	2858
				Examiner Name	N/A
Sheet	2	of	3	Attorney Docket Number	9157-58

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
OD		"Deployment of a fiber Bragg grating-based measurement system in a structural health monitoring application", M. D. Todd, G. A. Johnson and S. T. Vohra, Naval Research Laboratory, Code 5673, Washington, DC 20375, USA, Smart Mater, Struct. 10 (2001) 534-539.	
OD		"Conceptual framework of a remote wireless health monitoring system for large civil structures", Darryll J. Pines and Philip A. Lovell, Department of Aerospace Engineering, University of Maryland, College Park, MD, USA in Smart Mater, Struct. 7 (1998) 627-638.	
OD		W. R. Fowkes, "Cavity Resonator Measurements at 90 Ghz", ARDB Technical Note 164, pgs. 1-6.	
OD		McGray-Hill Encyclopedia of Science & Technology, "An international reference work in twenty volumes including an index", 9 <sup>th</sup> Edition, pgs. 453-455 and 585-587.	
OD		William H. Hayt, Jr., "Engineering Electromagnetics", Fifth Edition, McGraw-Hill, Inc., pgs. 416-427.	
OD		John d. Kraus, "Electromagnetics", Fourth Edition, McGraw-Hill, Inc., pgs. 698-705.	
OD		David H. Staelin, et al., "Electromagnetic Waves", Prentice Hall, Upper Saddle River, New Jersey 07458, pgs. 338-349, 372-381, 390-401	
OD		<a href="http://www.fnrl.science.cmu.ac.th/theory/waveguide/Waveguide%20theory%2014.html">http://www.fnrl.science.cmu.ac.th/theory/waveguide/Waveguide%20theory%2014.html</a> .	
OD		<a href="http://www.tpub.com/neets/book11/44h.htm">http://www.tpub.com/neets/book11/44h.htm</a> .	
OD		"Tunable laser demodulation of various fiber Bragg grating sensing modalities", R. M. Measures, M. M. Ohn. S. Y. Huang, J. Bigue and N. Y. Fan, Smart Mater. Struct. 7 No. 2 (April 1998) 237-247.	
OD		"Structural monitoring by curvature analysis using interferometric fiber optic sensors", D. Inaudi, S. Vurpillot, N. Casanova and P. Kronenberg, Smart Mater. Struct. 7 No. 2 (April 1998) 199-208.	

Examiner Signature	<i>Dawn Davis</i>	Date Considered	5/4/06
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Examiner Signature	Octavia Davis	Date Considered	5/4/06
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